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STATE NORMAL SCHOOL,

WESTFIELD, MASS.

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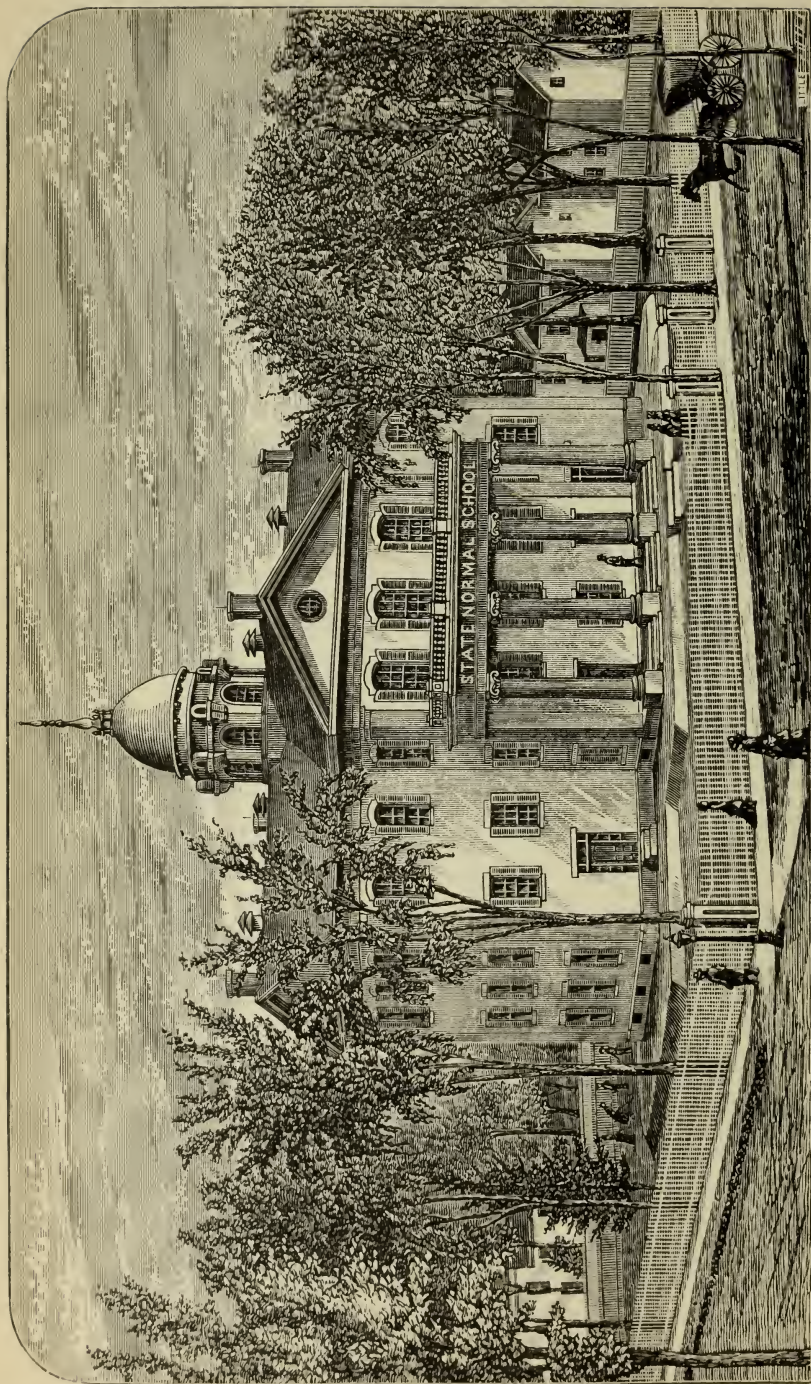
CATALOGUE AND CIRCULAR.

*FOR YEAR ENDING JUNE 21, 1887.*

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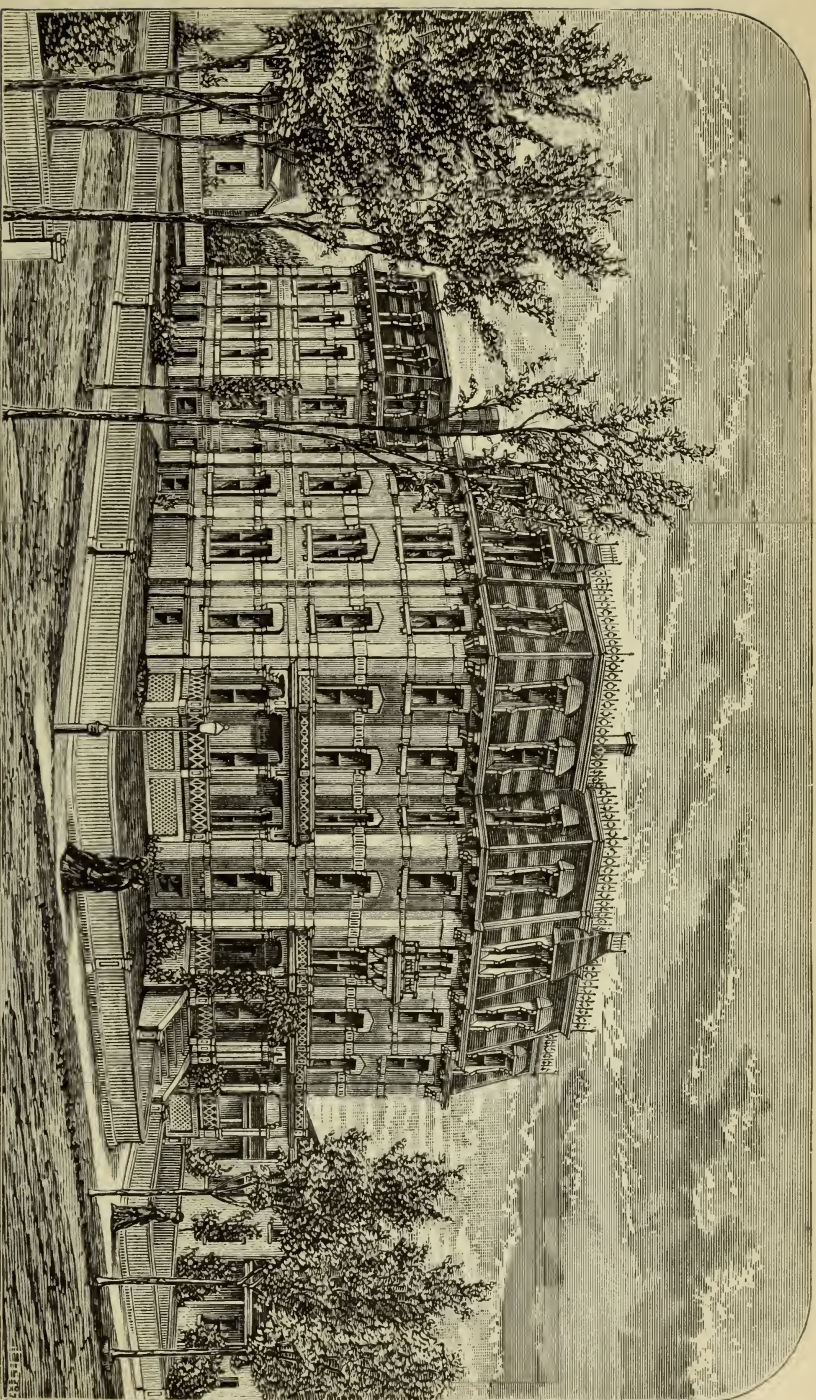






STATE NORMAL SCHOOL, WESTFIELD, MASS.





NORMAL HALL, WESTFIELD, MASS.



# STATE NORMAL SCHOOL,

WESTFIELD, MASS.

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## CATALOGUE AND CIRCULAR.

*FOR YEAR ENDING JUNE 21, 1887.*

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1887.





# STATE BOARD OF EDUCATION.

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DRAWING, PENMANSHIP.

\* To February 1, 1887.

# STUDENTS.

## ADVANCED COURSE.

### LADIES.

NAMES.	RESIDENCES.
Ashley, Ida C., . . . . .	Westfield
Carmichael, Mary, . . . . .	Springfield
Crichton, Mary I., . . . . .	Whitinsville
Elmore, Emma R., . . . . .	Rocky Hill, Conn.
Horrigan, Mary A., . . . . .	Westfield
Pettis, Charlotte E., . . . . .	Westfield

### GENTLEMEN.

McAllister, Thomas K., . . . . .	Whitinsville
Smith, Arthur W., . . . . .	Westfield

## PUPILS NOT IN THE REGULAR ADVANCED COURSE, BUT PURSUING ONE STUDY OR MORE OF THAT COURSE.

### LADIES.

Batchellor, Marion, . . . . .	Montague
Beede, Ida M., . . . . .	Westfield
Blakes'ee, Carrie E., . . . . .	Westfield
Boyce, N. Gertrude, . . . . .	Orange
Brakenridge, Annie M., . . . . .	No. Grosvenor Dale, Conn.
Day, Jennie M.,* . . . . .	Westfield
Dimock, Clara G.,* . . . . .	Westfield
Donoghue, Mary A., . . . . .	Holyoke
Elwell, Hattie M., . . . . .	Springfield
Ferry, Etta I., . . . . .	Brimfield
Fitzpatrick, Clara L., . . . . .	Holyoke
Foster, Dellie P., . . . . .	Royalston
Fuller, Florence, . . . . .	Westfield

\* Post graduates.

NAMES.	RESIDENCES.
Goodrich, Louise M., . . . . .	Stockbridge
Hall, Clara Louise, . . . . .	Ashfield
Hayward, Marion I., . . . . .	Fitchburg
Hubbard, Mary L., . . . . .	Fitchburg
Johnson, Hattie F., . . . . .	Ware
Johnson, Jennie D., . . . . .	Granville
Judd, Ellen M., . . . . .	Southwick
Kelley, Agnes C., . . . . .	Holyoke
Lee, Adella D., . . . . .	Westfield
Lindholm, Carrie L., . . . . .	Gt. Barrington
McSheehy, Mary E., . . . . .	Whitinsville
Porter, Alice P., . . . . .	Westfield
Reed, Martha A., . . . . .	Vernon, Vt.
Russell, F. Miriam, . . . . .	Chicopee Falls
Stacy, Alzada L., . . . . .	Springfield
Street, Annie M., . . . . .	Ellington, Conn.
Thompson, Helen J., . . . . .	Westfield
Walker, Mary A., . . . . .	Holyoke
West, Marie E., . . . . .	Belchertown
Wilcox, Effie M., . . . . .	Springfield
Worthington, Minnie H., . . . . .	Westfield

## GENTLEMEN.

Dunbar, Charles H., . . . . .	Pittsfield
Hanchett, Frederick N., . . . . .	Westfield
Love, William J., . . . . .	Whitinsville

## GRADUATES.

## WINTER TERM.

## LADIES.

Boyce, N. Gertrude, . . . . .	Orange
Dimock, Clara G., . . . . .	Westfield
Donahue, Mary A., . . . . .	Holyoke
Elmore, Emma R., . . . . .	Rocky Hill, Conn.
Graves, Clara M., . . . . .	Southampton
McKee, Annie R., . . . . .	W. Springfield
Spencer, Lucy, . . . . .	New Lebanon, N. Y.
Tiffany, Nellie F., . . . . .	Bennington, Vt.



## SUMMER TERM.

## LADIES.

NAMES.	RESIDENCES.
Ayers, Mary E.,	Brattleboro, Vt.
Bailey, Ella M.,	Westfield
Blakeslee, Carrie E.,	Westfield
Converse, Florence H.,	Wales
Curran, Ellen M.,	Holyoke
Donoghue, Mary A.,	Holyoke
Ferry, Etta I.,	Brimfield
Hall, Clara Louise,	Ashfield
Palmer, Agnes L.,	Southfield
Pettis, Charlotte E.,*	Westfield
Sackett, Clara B.,	Westfield
Stacy, Alzada L.,	Springfield
Street, Annie M.,	Ellington, Conn.
Tierney, Catherine A.,	Westfield
Vilas, Fanny M.,	Alstead, N. H.
Walker, Mary A.,	Holyoke
Waterman, Martha L.,	Westfield
Whipple, Flora M.,	Adams

## GENTLEMEN.

Butts, William H.,	New Bedford
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## SENIOR CLASS.

## LADIES.

Ballou, Satie E.,	Holyoke
Bridgman, Myra B.,	Florence
Carrier, L. Marion,	Readsboro' Falls, Vt.
Chase, Lillie,	Florence
Clapp, Susie M.,	Westhampton
Fitzpatrick, Mary C.,	Springfield
Hancock, Sarah E.,	Holyoke
Johnson, Hattie F.,	Ware

\* Advanced course.

NAMES.	RESIDENCES.
Johnson, Jennie D., . . . . .	Granville
Parsons, Jennie C., . . . . .	Agawam
Rhoades, Ella L., . . . . .	Mill River
Sanford, A. Lulu, . . . . .	Westfield
Scolley, Emma G., . . . . .	Holyoke
Smith, Rosa L., . . . . .	Buckland
Sprague, Effie G., . . . . .	Westfield

## GENTLEMEN.

Love, William J., . . . . .	Whitinsville
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## MIDDLE CLASS.

## LADIES.

Andrews, Bertha A., . . . . .	Conway
Beede, Ida M., . . . . .	Westfield
Boehm, Elizabeth M., . . . . .	Fitchburg
Boyenton, Clara E., . . . . .	Hampton, Va.
Brakenridge, Annie M., . . . . .	No. Grosvenor Dale, Conn.
Burke, Mary E., . . . . .	Montague City
Carey, Mary L., . . . . .	New Braintree
Chilson, Josephine A., . . . . .	Wales
Collopy, Alice G., . . . . .	Holyoke
Cooper, Jessie M., . . . . .	Stockbridge
Couch, Emma L., . . . . .	Hampton, Va.
Curtis, Helen I., . . . . .	Springfield
Dewey, Emma A., . . . . .	Gt. Barrington
Donohue, Nora A., . . . . .	Springfield
Elwell, Hattie M., . . . . .	Springfield
Fisk, Hattie V., . . . . .	Springfield
Fiske, Etta P., . . . . .	Greenfield
Fitzpatrick, Clara L., . . . . .	Holyoke
Foster, Dellie P., . . . . .	Royalston
Gladwin, Isabelle W., . . . . .	Westfield
Glennon, Catherine F., . . . . .	Dalton
Goodrich, Louise M., . . . . .	Stockbridge
Hayes, Belle M., . . . . .	Granby, Conn.
Howard, Bridget A., . . . . .	Springfield
Hubbard, Mary L., . . . . .	Fitchburg
Hull, Lillian O., . . . . .	Westfield
Jenkins, Annie E., . . . . .	So. Hadley

NAMES.	RESIDENCES.
Jones, Alice M., . . . . .	Westfield.
Kelley, Agnes C., . . . . .	Holyoke
Lindholm, Carrie L., . . . . .	Gt. Barrington
Lloyd, Louise E., . . . . .	Florence
Lyons, Nellie E., . . . . .	Holyoke
Makepeace, Alice S., . . . . .	Ludlow
McSheehy, Mary E., . . . . .	Whitinsville
Morgan, Pearl E., . . . . .	Chester Center
O'Connell, Ellen, . . . . .	Holyoke
Prindle, Jenny J., . . . . .	Williamstown
Russell, F. Miriam, . . . . .	Chicopee Falls
Shumway, Ella F., . . . . .	Northampton
Stowell, Marion L., . . . . .	Hinsdale
Taft, Ida A., . . . . .	Whitinsville
Thayer, Effie J. W., . . . . .	Williamsburg
Walsh, Mary G., . . . . .	Springfield
West, Marie E., . . . . .	Belchertown
Wilcox, Effie M., . . . . .	Springfield

## JUNIOR CLASS.

### LADIES.

Amidon, Charlotte T., . . . . .	Readsboro', Vt.
Austin, Elizabeth M., . . . . .	Westfield
Bacon, Alice L., . . . . .	Greenfield
Batchellor, Marion, . . . . .	Montague
Bates, Grace A., . . . . .	Rye, N. Y.
Beebe, Mary F., . . . . .	Wilbraham
Bryant, O. Bertha, . . . . .	Weston, Vt.
Carroll, Lizzie L., . . . . .	Turner's Falls
Case, Ella A., . . . . .	Windsor, Conn.
Cobb, Mabel A., . . . . .	Cummington
Cook, Augusta E., . . . . .	Southfield
Corrigan, Margaret I., . . . . .	Holyoke
Curtis, Eleanor M., . . . . .	W. Hatfield
Eastman, Caroline, . . . . .	Lebanon, N. H.
Fuller, Florence, . . . . .	Westfield
Gibbs, Ella E., . . . . .	Blandford
Gibbs, Lillie A., . . . . .	Westfield
Grout, Hattie A., . . . . .	Westfield
Harris, Grace G., . . . . .	Westfield
Herrick, Lizzie J., . . . . .	Westfield

NAMES.	RESIDENCES.
Holt, Ella M., . . . . .	Stafford Springs, Conn.
Horwood, Jane, . . . . .	Westfield
Judd, Ellen M., . . . . .	Southwick
Kent, Georgia L., . . . . .	Southwick
Ludden, Anna F., . . . . .	Springfield
Manee, Josephine M., . . . . .	Westfield
Marsh, Ellen M., . . . . .	Hardwick
McCarthy, Ellen M., . . . . .	Westfield
Merryfield, Grace E., . . . . .	Westfield
Miner, Laura G., . . . . .	N. Adams
Mulcahy, Nellie T., . . . . .	Springfield
Murphy, Julia E., . . . . .	Turner's Falls
Norton, Clara A., . . . . .	Otis
O'Donnell, Mary I., . . . . .	Westfield
Orcutt, Jennie E., . . . . .	Willington, Conn.
Packard, Myrtle C., . . . . .	Florence
Pattison, Caroline F., . . . . .	Simsbury, Conn.
Pease, Alice M., . . . . .	Becket.
Quirk, Margaret E., . . . . .	Springfield
Rickards, Grace E., . . . . .	Blackinton
Sackett, Minnie L., . . . . .	W. Springfield
Sutcliffe, Catherine G., . . . . .	So. Boston
Thompson, Helen J., . . . . .	Westfield
Worthington, Minnie H., . . . . .	Westfield

## GENTLEMEN.

Cowles, Andrew E., . . . . .	Westfield
Hanchett, Frederick N., . . . . .	Westfield

## SPECIAL PUPILS.

## LADIES.

Bardwell, Evelyn H., . . . . .	Bardwell's Ferry
Bartlett, Emily S., . . . . .	Conway
Day, Jennie M.,* . . . . .	Westfield
Dimock, Clara G.,* . . . . .	Westfield
Hayward, Marion I.,* . . . . .	Fitchburg
Lee, Adella D., . . . . .	Westfield
Porter, Alice P., . . . . .	Westfield
Reed, Martha A., . . . . .	Vernon Vt.

\* Post-graduates.



GENTLEMEN.	
NAMES.	RESIDENCES.
Dunbar, Charles H., . . . . .	Pittsfield
Lamson, Howard D., . . . . .	Mt. Washington

SUMMARY.	
Advanced course, . . . . .	8
Pupils taking one study or more of Advanced Course . . . . .	37
Graduates, . . . . .	27
Senior Class, . . . . .	16
Middle Class, . . . . .	45
Junior Class, . . . . .	46
Special Pupils, . . . . .	10
Names Repeated, . . . . .	40
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Total, . . . . .	149

## WESTFIELD NORMAL SCHOOL.

This institution was established by the Commonwealth of Massachusetts in September, 1839. With a single exception, it is the oldest normal school in America. Three thousand three hundred and ninety-two have been admitted to the school. Since 1855, the date of the first formal graduations, one thousand one hundred and sixty-six have received diplomas upon the completion of the prescribed course of study.

### CONDITIONS OF MEMBERSHIP.

Applicants for admission to the school must be at least sixteen years of age (if males, seventeen); must present a certificate of good moral character; must pledge themselves to complete the course, if possible, and afterwards to teach in the public schools of Massachusetts;\* and must pass a satisfactory examination in reading, spelling, writing, arithmetic, geography, English grammar and the history of the United States. Higher attainments and a more mature age than those prescribed render the training of the school much more profitable.

### AIMS AND METHODS OF STUDY AND TRAINING.

The ends to be secured by a course of study and practice in this school are a knowledge of the principles and methods of teaching, skill in the art of teaching, and the general development of the mental powers.

All the studies are conducted upon the topical plan, and with special reference to the best ways of teaching them. From the first, the pupils frequently occupy the place of teacher of their classmates, and are subjected to their criticisms, as well as to those of their regular teachers.

### THE DESIGN OF THE SCHOOL AND COURSES OF STUDY.

The Board of Education, by a vote passed May 6, 1880, stated the design and the courses of study for the State Normal Schools, as follows:—

“The *design* of the normal school is strictly professional; that is, to prepare in the best possible manner the pupils for the work of organizing, governing and teaching the public schools of the Commonwealth.

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\* Persons intending to teach in other States, or in private schools, are admitted on payment of fifteen dollars a term for tuition.

"To this end, there must be the most thorough knowledge, *first*, of the branches of learning required to be taught in the schools; *second*, of the best methods of teaching those branches; and, *third*, of right mental training.

"The time of one course extends through a period of two years, of the other through a period of four years, and is divided into terms of twenty weeks each, with daily sessions of not less than five hours, five days each week."

## STUDIES.

### TWO-YEARS' COURSE.

Arithmetic, algebra, geometry, book-keeping.

Physics, astronomy, chemistry, physiology, botany, zoölogy, mineralogy, geology, geography.

Language, reading, orthography, etymology, grammar, rhetoric, literature, composition.

Penmanship, drawing, vocal music, gymnastics.

Psychology, science and art of education, school organization and history of education.

Civil polity of Massachusetts and of the United States, history, school laws of Massachusetts.

### FOUR-YEARS' COURSE.

In addition to the studies named above, the four-years' course includes advanced algebra and geometry, trigonometry and surveying.

Advanced chemistry, physics and botany.

Drawing, English literature, general history.

Latin and French required; German and Greek as the Principal and Visitors of the school shall decide.

## OBJECT OF THE FOUR-YEARS' COURSE.

This course is intended to give pupils that broad culture indispensable to the highest success in schools of any grade, but especially to fit them for service as teachers in High Schools. The studies are so arranged, that graduates from the shorter course may complete the four years' course in two additional years, or, if unable to remain so long in the school, they may profitably take one or two terms' work in addition to the two-years' course.

*Graduates from this course are in special demand for the best positions.*

## TOPICS OF THE TWO-YEARS' COURSE.

### FIRST TERM.

*Arithmetic.* — Notation, addition, subtraction, multiplication, and division of integral numbers, common fractional numbers, decimals, and compound denominate numbers, elementary course, practical work.

*Geometry.* — First three books of Wentworth's Geometry, or their equivalent. Pupils do not use text-books. They are required to work out and teach most of the definitions, theorems, and constructions of the course.

*Physiology.* — General outline of subject; anatomy, physiology and hygiene of digestive organs, including classification of food-stuffs, and methods of preparing food; anatomy, physiology, and hygiene of circulatory and respiratory organs; animal heat, — its nature, source, distribution, regulation, etc.; clothing, — use, qualities desirable in, qualities of common materials, how to dress hygienically, etc. Anatomy is taught from anatomical preparations of organs of the human body; and physiology, as far as possible, by observing organs of other animals in action.

*Physics.* — Physical properties of matter; definition and enumeration of forces; effects of gravitation, including pressures of liquids and gases, with consequences and applications; electricity, special attention being given to elementary phenomena and to practical applications; machines or means of applying force. In this subject everything is taught experimentally, pupils being required, as far as possible, to perform all important experiments for themselves.

*Zoology.\** — General characteristics of animals; chief groups of animals, with methods of determining relative rank; special study of mammals and birds, etc. The school has an excellent "working cabinet," which is in daily use in classes.

*Vocal Music.* — Rhythmics, melodics, dynamics, sight-singing, elementary course.

*Composition.* — Capitals, punctuation, letter-writing, business-forms, language-lessons.

*Drawing.* — Freehand drawing on blackboard, from dictation, of combinations, of straight lines and curved; drawing on paper from dictation; drawing from memory; elementary designs.

#### SECOND TERM.

*Arithmetic.* — Metric system taught by apparatus; percentage, and its application in commission, taxes, interest, banking, etc.; extraction of roots, with applications; mensuration; examples and problems in all subjects taught, to apply knowledge. Pupils are encouraged to seek information at the post-office, at lawyers' offices, banks, stores, and the teachers' desk, and thus to become familiar with the practical applications of arithmetic in the affairs of every-day life.

*Grammar.* — Outline of subject; parts of expressions taught and named; words studied with reference to classification, properties, and construction; parsing and analysis of sentences.

*Geography.* — Scientific study of the form, size, and motions of the earth; configuration and relief of the land-masses; atmospheric and oceanic movements; climate; plant and animal life, and especially man, including distribution of races, and all conditions affecting this distribution; religion, government, and whatever affects the civilization of the races.

*Algebra.* — Usual topics preceding quadratics.

*Botany.\** — Study of specimens in class-room and in field for knowledge of structure, habits, etc.; bases of classification; analysis of plants with artificial keys.

\* For those who enter in the fall.

*Drawing.*—Work of first term continued; drawing from the flat; geometrical drawing; perspective; model drawing; design. Drawing is *required* for only one year; but many continue the study for an additional term or two. For those who do this, the subjects are: model and cast drawing; shading of objects, models, and casts, in charcoal and stump; applied design; and frechand drawing from enlarged flats.

*Composition.*—Paragraphing; compositions on subjects assigned; criticism in class and by class; spelling.

### THIRD TERM.

*Geography* (six weeks).—Philosophic study of topics taken up in second term.

*Rhetoric.*—Study of figurative language and qualities of style, with practical applications, followed by several weeks of composition writing and criticism; study of the mind and its qualities, such as wit, humor, etc., the sensibilities, especially taste (under this, literary taste, sources of pleasure, and how to cultivate such a taste).

*English Literature.*—History of language; study of the life and style of the following authors, and of selections from their works: Wickliffe, Chaucer, Cranmer, Spencer, Bacon, Shakespeare, Milton, Johnson, Whittier, Hawthorne, Lowell, Longfellow; reading (in addition) of "Idyls of the King," "Ivanhoe," "Henry VIII.," "Merchant of Venice," "Julius Cæsar," one book of "Paradise Lost," Macaulay's "Essays on Johnson," "Snowbound," "Among the Hills," "Vision of Sir Launfal," "Commemoration Ode," "The Old Manse," "Evangeline," "Courtship of Miles Standish." There are some variations from term to term.

*United States History.*—Periods of discoveries; explorations; settlements and colonies, with the included wars; Revolution, Constitution; Civil War, and events following; collateral reading.

*Mineralogy.*\*—Study of all common minerals, rocks, and ores, for qualities and uses.

### FOURTH TERM.

*Astronomy.*—Methods of describing position of heavenly bodies; refraction, parallax, and precession; classification of heavenly bodies; particular study of earth, sun, and moon; tides; eclipses; geography of celestial sphere.

*Reading.*—Vocal culture, sight-reading, study of pieces, elementary course.

*Chemistry.*—Chemical physics; inorganic chemistry, with laboratory practice by each pupil.

*Theory and Art of Teaching.*—Including psychology in its relation to principles and methods of teaching; school organization and government; school laws of Massachusetts; several weeks of purely professional work in common English branches, with practice in teaching in public schools; civil polity.

*Geology.*\*—Study of agencies now at work modifying the structure of the earth; historical geology; special study of local features.

\* For those who enter in the fall.



## TOPICS OF THE FOUR-YEARS' COURSE.

SAME AS THOSE FOR THE TWO-YEARS' COURSE, WITH THE FOLLOWING ADDITIONS:

GEOMETRY. — Plane Geometry completed. The method is the same as for the two-years' course.

ALGEBRA. — Pupils have constant drill in the application of the principles, and are taught how to teach the following topics to classes in the upper grades of school: Involution, evolution, radicals and radical equations, imaginary quantities, quadratics, simple indeterminate equations, inequalities, ratio, proportion, progressive series, binomial theorem, logarithms and logarithmic tables.

ENGLISH LITERATURE. — Pupils will select one of the following courses:

COURSE I. — *Chaucer* — Prologue to the "Canterbury Tales," "The Knight's Tale." — *Shakespeare* — "Hamlet," or "Macbeth," "As You Like It," "Lear," "A Midsummer Night's Dream," Twelve Sonnets. — *Milton* — "L'Allegro," "Il Penseroso," "Comus," "Lycidas," "Paradise Lost" (Books I. and II.), "Samson Agonistes."

COURSE II. — *Shakespeare* — "Hamlet," "As You Like It," Twelve Sonnets, Life. — *Milton* — "L'Allegro," "Il Penseroso," "Paradise Lost" (Book I.), Six Sonnets, Life. — *Scott* — "Waverley," "Marmion." — *Eliot* — "Romola." — *Tennyson* — "Idyls of the King," Songs in the "Princess." — *Thackeray* — "Henry Esmond."

COURSE III., XIXth Century. — *Scott* — "Heart of Midlothian." — *Thackeray* — "Henry Esmond." — *Wordsworth* — "Intimations of Immortality." — *Tennyson* — "Idyls of the King." — *Eliot* — "Romola." — *Byron* — "Prisoner of Chillon." — *Bulwer* — "Last Days of Pompeii." — *Carlyle* — Essay on Burns. — *Mrs. Browning* — Sonnets, Short Poems. — *Froude* — Extracts from History of England. — *Macaulay* — Selected Essays.

DRAWING. — Models in outline; models in crayon point; models in crayon or charcoal (stump); casts in charcoal; botanical analysis and applied design; foliage from nature; historical ornament; color; perspective (parallel and angular); machine drawing; building construction.

PHYSICS. — Light, heat, sound, electricity and magnetism, with practical applications.

CHEMISTRY. — Qualitative analysis of liquids and solids; chemical theories; preparation of chemicals and apparatus.

BOTANY. — Structure, composition, growth, functions and classification of plants; preparation of specimens, etc.

PHYSIOLOGY. — Continuation of elementary course; muscular and nervous systems; special senses, etc.

ZOOLOGY. — Continuation of elementary course; "economic" study of animals; dissections; classification.

LATIN. — Elementary work; translation of "Cæsar," "Cicero" and "Vergil"; sight translation; colloquia; scanning and prosody; study of customs, men, times

and style ; writing Latin (the more important rules of construction being developed inductively) ; methods. Pupils are required to teach in the elementary work.

FRENCH. — First year : Sauveur's "Petites Causeries," Smith's "French Principia," Sauveur's "Contes Merveilleux," Conversations based on "La vie de Napoléon."

Second year : Otto's French Grammar, Sand's "Petite Fadette," "Tableaux de la Révolution Française," Fables de La Fontaine, Conversations based on "Contes Merveilleux."

GERMAN. — First year : Whitney's German by Practice, Worman's Elementary German Grammar, Schiller's "Wilhelm Tell "

Second Year : Conversations based on Andersen's "Bilderbuch ohne Bilder," Otto's German Grammar, Goethe's "Hermann und Dorothea," Goethe's "Ausgewählte Prosa " (Hart's edition).

*General History.* — Ancient Greece and Rome, with reference to modern institutions. Institutions and modes of life of the Middle Ages, with reference to the evolution of our political and other institutions. Modern History, including the development of the nationalities of Western Europe and constitutional liberty.

## EXAMINATIONS AND GRADUATIONS.

### *Entrance Examinations on the First Day of each Term.*

Examinations, both oral and written, are made each term in every study ; and the result in each must be satisfactory to enable the pupil to advance to the studies next in order. Only those pupils who have satisfactorily passed all the examinations in the prescribed course of study receive the diploma of the institution.

## EMPLOYMENT OF GRADUATES, ETC.

The demand for graduates of this school is steadily and rapidly increasing. During the past two years it has been greater than the supply. A noteworthy fact concerning this demand is the large increase in calls for teachers for positions of high grade. Great encouragement is thus given, to the best graduates of high schools, desiring to teach, to take a course of professional training as the shortest, as well as in every respect the best way to eminence in the profession.

## LIBRARIES, APPARATUS, ETC.

Pupils have free access to valuable libraries of works for general reference and reading. Excellent apparatus is provided for the illustration of the more important principles in the natural sciences. Large and growing cabinets of mineral, geological, and zoological specimens are constantly used in teaching natural history.

The chemical laboratory furnishes opportunity for the inductive study of chemistry. In this, under competent supervision, students may perform for themselves the more important experiments, and thus acquire skill in manipulation, and a confidence obtainable in no other way.

The Art Room is well fitted up, affording excellent facilities for training in the various departments of drawing. A large number of examples of casts, models, and flat copies furnish a constant study of art to the members of the school.

### DISCIPLINE.

Pupils are treated with confidence, and, as far as may be, the government of the school is left in their hands. But nothing less than regular attendance, good behavior, and hearty allegiance to all the interests of the school, is accepted as a condition of membership. The work of the school cannot be acceptably done by those who do not make it their only occupation during their connection with the school.

Parents are earnestly advised not to encourage *any* absence from the school, except in vacations.

### EXPENSES, AID, ETC.

Tuition is free to those complying with the condition of teaching in the public schools of Massachusetts, wherever they may have resided previously. A small fee (\$2) is paid by each pupil at the beginning of each term for incidental expenses.

Text-books required are furnished from the School Library without charge.

For cost of board, see under "Normal Hall."

To aid those students in the school who find it difficult to meet the expenses of the course, pecuniary aid is furnished by the State in sums varying according to the distance of their homes from Westfield, though never exceeding \$1.50 per week. This aid is not furnished for the first term of attendance; and those who fail (through their own fault) to complete the course, or to teach in the public schools of Massachusetts, are required to refund whatever they may have received.

### NORMAL HALL.

Mrs A. M. FOSTER, *Matron.*      GEORGE E. SQUIRE, *Steward.*

The State has erected and furnished for the school a very pleasant and commodious boarding-hall, which is accurately represented in the accompanying cut. The hall is under the charge of the principal. Most of the teachers board with the students, and no pains will be spared to make the hall a *home* for the pupils.

Pupils from abroad are required to board in this hall, except as they may board with *relatives* or work for their board in private families.

A pleasant reading-room is provided for the daily use of the students. This room is provided with daily papers, the leading magazines, and a variety of other publications, scientific, educational, religious, and general. During the past two years, generous contributions of money and books, by teachers and pupils, have enabled us to provide a small library of choice works for general reading and for reference.

The price of board is \$75 per term of twenty weeks, \$80 for gentlemen. \$40 must be paid in advance by each student at the beginning of the term, and \$35 at the middle of the term. The object of this payment in advance is to secure the purchase of supplies at wholesale cash prices, thereby saving to each boarder much more than the interest of the money advanced. *The price of board includes the expense of light, heat, and washing.*

The rates given above are for those who have room-mates, and whose attendance is not less than ten weeks. Those who desire to room alone can generally be accommodated at an additional charge of 50 cents per week. Those who for any reason are members of the school for less than half of any term, are charged \$4 per week. Visitors can have good accommodations at \$1 per day or \$5 per week; dinner, 35c.; supper or breakfast, 25c.; lodging, 50c. Former members of the school will be allowed a discount of 10 per cent. from prices charged other visitors.

Each boarder is required to bring bedding, towels, napkins, a napkin ring, and two clothes-bags. Each pupil will want, ordinarily, four pillow-cases, three sheets, and two blankets, or their equivalent. *All articles sent to the laundry should be distinctly marked with the owner's name.* INITIALS WILL NOT ANSWER.

## GENERAL REMARKS.

The Normal School is always open to the public. Parents and guardians of its pupils are especially invited to visit the school often, and learn by personal inspection what it attempts to do for its members.

A cordial invitation is extended to teachers and school committees to visit the school at their convenience. They will be welcomed for a day, a week, or a month.

For catalogues, or for further information, apply to the Principal at Westfield.

WESTFIELD, MASS., June, 1887.

## CALENDAR FOR 1887-1888.

FALL TERM BEGINS . . . . . TUESDAY, AUG. 30, 1887.

RECESS, THANKSGIVING WEEK.


FALL TERM CLOSES . . . . . TUESDAY, JAN. 17, 1888.

VACATION, TWO WEEKS.

SPRING TERM BEGINS . . . . . TUESDAY, JAN. 31, 1888.

RECESS, APRIL 7-16.

SPRING TERM CLOSES . . . . . TUESDAY, JUNE 19, 1888.

 No school Mondays. Saturday sessions from 8.30 to 1. Sessions other days both morning and afternoon.



# QUESTIONS

USED AT ENTRANCE EXAMINATION, AUG. 31, 1886.

[QUESTIONS FURNISHED BY STATE BOARD OF EDUCATION.]

## ARITHMETIC.

1-2. What is the average age of a school consisting of three classes, severally containing 15, 4, and 2 pupils, the average age of the first class being 10 years 6 months, of the second 15 years 4 months, of the third 16 years 2 months?

3-4. There are six rectangular lots of land, each 5 rods wide in front, and 10 rods deep. The lots being contiguous and having their fronts in the same straight line, what number of feet of boards will be required to inclose and separate them with tight board fence, 4 feet high?

5. A dealer bought one hundred bushels of potatoes at 40 cents a bushel. If he lost 30 % of them, at what price per bushel must he sell the remainder to gain 20 % on his investment?

6. In what time will the interest of \$884.60 at 5 % equal one twelfth of the principal?

7-8. I sold a horse and a carriage at a total gain of \$133. If the gain on the carriage was 90 % of the gain on the horse, what was the gain on each?

9-10. Find the cost of 40 planks at \$50 per M board measure, each plank 12 feet long, 2 inches thick, 20 inches wide at one end, 16 inches at the other, and tapering regularly.

11-13. How many gallons of water, each 231 cubic inches, in a circular cistern, 4 feet 4 inches in diameter, the water 16 feet deep?

14-15. If a pipe  $2\frac{1}{4}$  inches in diameter can fill a reservoir in 3 hours 20 minutes, what must be the diameter of a pipe which will fill it in 13 hours 20 minutes?

16-17. There are six numbers, the sum of which is 65.7; the second is 100 times the first, the third is  $\frac{1}{10}$  of the second, the fourth is  $\frac{3}{4}$  of the third, the fifth is 100 times the fourth, the sixth is  $\frac{1}{100}$  of the fifth. What is the first?

18. A note for \$450, dated July 21, and payable in 4 months without interest, was discounted at a bank, Oct. 28. What was the discount, the rate being 6 %?

## GEOGRAPHY.

1. Name and define the chief natural divisions of land and water.

2-3. Describe the surface of North America, and its three natural regions.

4. Name two important rivers in each region, and the waters into which they flow.

5-6. Name the chief sources of wheat, cotton, rice, coal and gold in the United States.

7-8. Name the different races into which mankind is divided, and describe the physical differences which distinguish them from one another.

9. What are the two motions of the earth, and what is the effect of each?

10. Describe the trade winds, and the causes that produce them.

11. Name the principal rivers of the Atlantic slope, beginning at the north.

12. What continents and islands are crossed by the Equator?

13. Name and locate the capitals of England, France, Mexico and United States.

14-16. Draw a map of Massachusetts, and name its cities in the order of their size.

17. Name two empires and two republics.

18. What determines the occupation of a people?

## GRAMMAR.

1-2. Define language, and the terms sentence, clause, noun, mode, tense, as used in grammar.

3-6. Analyze the following sentence: When the Saxons and the Normans were asked, each by their own bishop, if they would have William for their king, both peoples signified their assent with loud applause.

7. Parse the words each, own, both, when, as constructed in the above sentence.

8. What are the principal parts of the verbs fly, eat, bid, swim?

9. Form the possessive case of the nouns goodness, conscience, sheep, seer, and the plural number of loaf, sheaf, canto, mercy.

10. Compare the adjectives many, good, bad, ill, upright.

11. Define grammar.

12-18. Write a composition of not less than six lines on the advantages of studying English grammar.

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## HISTORY.

1-2. Into what periods is United States History divided, and for what is each period distinguished?

3-4. Name four of the early navigators who explored the coast of America. What places did they explore, and in whose service were they?

5. What were the cause and result of the French and Indian war?

6. What was the extent of territory occupied by the thirteen colonies when independence was declared?

7-8. Of what parties were Jefferson and Hamilton the leaders? In what did the parties differ?

9-10. State the most important events of Jackson's administration.

11-12. Give a brief account of the origin of the late civil war, and of its results.





















